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PopularAuthors.aspx (Company)

Top Skills

JavaScript
Software Development
Microsoft SQL Server

Certifications

SAS Color Graphics
Learning Python
Learning Python and Django
Programming Foundations: Real-World Examples
Design the Web: Creating CSS-Only Navigation Menus

Arch Brooks

CEO / Software Engineer at Brooks Computing Systems LLC
Jacksonville, Florida, United States

Summary

Current IT professional with over 15+ years' experience having provided successful software solutions for the Department of Defense, Trans World Airlines, as well as other organizations. Deliverables include for data driven web apps, desktop apps and VLM mainframe legacy applications. OS configurations for Z/os and variants utilizing multiple mainframes and configuring operating systems are available. Served as Project Manager for large projects and effectively implementing documentation methodologies employed to produce life-cycle software documentation including functional specifications, Programming specifications, end-user guides and application training specifications.

Specialties: Certified Statistical Analysis Systems for Reporting and Advanced Graphics SAS Institute Research Triangle Park N.C., Boole & Babbage Performance Measurement & Capacity Planning Software Certifications, Candle Corporation Performance Measurement & Capacity Planning Software Certifications, Virtual Sequential Access Method Internals

Areas of expertise: Groovy & Grails, JVM, IOS, Android, OSX, Windows, Linux 32 & 64 bit application, .NET 1.x, 2.x & 3.x, Data Enabled Active Server Pages, Java2 Web Applications.

Have programmed Delphi since Turbo Vision for at least 27 years. According to Embarcadero I am considered a popular author with nearly 18,000 downloads of 177 Delphi components and stand alone applications written in Delphi programming language. Code Central is technology repository for applications written in Delphi where only register users are allowed to access and utilize the source code in the repository. <https://cc.embarcadero.com/PopularAuthors.aspx>

Experience

Brooks Computing Systems

CEO / Software Engineer

October 1991 - Present (31 years 3 months)

Jacksonville, Florida, United States

Brooks Computing Systems creates software applications for scientific and business solutions. Duties include but are not limited to developed legacy and agile technologies, design of mobile-ready applications which securely access corporate repositories.

Mainframe technologies such as z/OS as well as others mainframe OS's are supported. Numerous mainframe platforms are fully operational including Customer Information Control System (CICS). Dialog management facility mastery is available for the Time Sharing Orion (TSO) and Integrated Structured Programming Facility (ISPF). Most of the languages supporting ISPF are also readily available.

Multiple popular Relational Database Management Systems (RDBMS) are also available as part of the end deliverable solution.

Languages include c++, Delphi, FORTRAN, COBOL, Java and JavaFX.

United States Department of Defense

Computer Specialist

April 1980 - October 1991 (11 years 7 months)

Alexandria, VA

Served as Systems Programmer installing and maintaining multiple proprietary software systems.

Traveled with management review team for performance and capacity planning for very large machines (VLM).

Certified Statistician per the Statistical Analysis Systems (SAS), Cary NC as proficient in advanced report writing and advanced graphics.

Facilitated the implementation of the COBOL compiler validation project per DOD specifications using the Navy validation software systems.

Languages include c++, Delphi, FORTRAN, COBOL, Java and JavaFX.

Trans World Airlines (TWA)

Technical Programmer

April 1976 - April 1980 (4 years 1 month)

Kansas City, Missouri Area

Served as lead technician for the computerized flight planning system for all flight equipment flown by TWA.

Maintained Crew Administration and Management Systems which staffed all flights flown by TWA for a month in advance domestically.

Authored the International Crew Administration and Management System for all TWA flights flown internationally for a month in advance.

Provided maintenance for the Programmed Airline Reservation System (PARS).

Black & Veatch

Scientific Engineering Programmer

April 1973 - April 1976 (3 years 1 month)

Overland Park, KS

Certified to author computer software in the construction, operation and maintenance of nuclear fueled power plants (per U. S. Nuclear Regulatory Commission and Black and Veatch Quality Assurance and Quality Control Program).

Languages include c++, Delphi, FORTRAN, COBOL, Java and JavaFX.

Authored the coil sizing program that allowed engineers to determine heat transfer factors for heating and cooling facilities of Nuclear Fueled Power Plants in the United States prior to construction.

Maintained electrical raceway software used in fossil fueled power generating facilities.

Authored Project Billing and Management System for all Black and Veatch projects.

Education

University of Missouri-Columbia

Music Education · (1970 - 1973)